

GENERAL TECHNOLOGY NOTES:

- "B7501" INDICATES DETAIL NUMBER / SHEET NUMBER.
- "SC-ER-1" INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION".
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, I.E. AH.
- REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- "7" INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

FROM FINISHED FLOOR TO CENTERLINE MOUNTING SUBSCRIPT KEY:

- TECHNOLOGY OUTLETS
- A MOUNT ABOVE COUNTER (+6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH)
 - I MOUNT IN LAB CASEWORK
 - H MOUNT HORIZONTAL

ABBREVIATION KEY:

- T.C. TECHNOLOGY CONTRACTOR
- S.C. SECURITY CONTRACTOR
- AV.C. AUDIOVISUAL CONTRACTOR
- N.C.C. NURSE CALL CONTRACTOR
- E.C. ELECTRICAL CONTRACTOR
- M.C. MECHANICAL CONTRACTOR
- G.C. GENERAL CONTRACTOR
- AFF ABOVE FINISH FLOOR
- BFC BELOW FINISHED CEILING
- C CONDUIT
- SYM SIMILAR
- TYP TYPICAL
- +H# MOUNTING HEIGHT ABOVE FINISHED FLOOR
- J-BOX JUNCTION BOX

TELECOM ROOM ABBREVIATION KEY:

- EF-# ENTRANCE FACILITY
- HO-# HORIZONTAL CROSS-CONNECT
- IC-# INTERMEDIATE CROSS-CONNECT
- MC-# MAIN CROSS-CONNECT
- TR-# TELECOMMUNICATIONS ROOM

LINE TYPE KEY:

- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- NEW WORK UNDER FLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
- EXISTING (DASHED LINE)
- NEW WORK BY OTHERS, AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
- EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

TECHNOLOGY INSTALLATION NOTES:

- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA REQUIREMENTS FOR ALL CONFIGURATIONS DETAIL ON THIS PAGE FOR ADDITIONAL INFORMATION.
- CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, AND IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
- BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION THIS CONTRACTOR SHALL ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
- TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
- CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
- FIRESTOPPING REFERS TO THE ITEMS SPECIFICALLY ADDRESSED IN DIVISION 26, 27 AND 28 DOCUMENTS. REFER TO THE INDIVIDUAL SPECIFICATION SECTIONS FOR INFORMATION SPECIFIC TO FIRESTOPPING.
- ALL "LADDER RACK" AND "CABLE TRAY" SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATIONS SECTION 27.05.28 AND 27.11.00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS.

TECHNOLOGY SHEET INDEX

T000	TECHNOLOGY COVER SHEET
T001	SITE PLAN - TECHNOLOGY
T100	BASEMENT FLOOR PLAN - TECHNOLOGY
T101	FIRST FLOOR PLAN - TECHNOLOGY - DEMO
T102	OVERALL FIRST FLOOR PLAN - ADDITION AND RENOVATION - TECHNOLOGY
T103	ENLARGED PLAN - AMBULATORY CARE - TECHNOLOGY
T104	ENLARGED FLOOR PLAN - LABORATORY AND SECURITY - TECHNOLOGY
T105	ROOF PLAN - TECHNOLOGY
T106	OVERALL FIRST FLOOR PLAN - ADDITION AND RENOVATION ALT. - TECHNOLOGY
T401	ROOM ENLARGEMENTS - TECHNOLOGY
T501	DETAILS - TECHNOLOGY
T502	DETAILS - TECHNOLOGY
T601	SCHEDULES - TECHNOLOGY

TECHNOLOGY DEMOLITION NOTES:

- THE TECHNOLOGY DRAWINGS INDICATE EXISTING TECHNOLOGY ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- ITEMS (I.E. SPEAKERS, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL. THE OWNER DOES NOT WANT TO REUSE OR RETAIN, (I.E. FOR MAINTENANCE PURPOSES).
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
- ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED.
- THIS CONTRACTOR SHALL COORDINATE ALL THEIR WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
- EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
- EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
- TECHNOLOGY DEVICES TO BE REMOVED SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
- DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL ASSOCIATED CABLE/RACEWAYS ARE TO REMAIN AND BE PROTECTED. T.C. SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.

SUGGESTED MATRIX OF SCOPE RESPONSIBILITY

ITEM	SHOWN ON	FURNISHED BY	INSTALLED BY	NOTES:
TECHNOLOGY ROUGH-IN, REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3, 4.
INFORMATION OUTLET FACEPLATES, JACKS AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2, 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, & TERMINATIONS	T-SERIES	T.C.	T.C.	
NURSE CALL ROUGH-IN	T-SERIES	NC-C	E.C.	
NURSE CALL EQUIPMENT, CABLING, & TERMINATIONS	T-SERIES	NC-C	E.C.	
CABLE TRAY (INCLUDING WIRE BASKET TRAY) REFER TO SPECIFICATION SECTION 27.05.28 FOR DEFINITION	T-SERIES	E.C.	E.C.	
LADDER RACK	T-SERIES	T.C.	T.C.	5.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27.05.26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7, 8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2, 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
BRIDGE RINGS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY SERVICE ENTRANCE CONDUITS, HANDHOLES, & MANHOLES	T-SERIES	E.C.	E.C.	
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

SCOPE OF RESPONSIBILITY NOTES

- LOCATIONS OF TELECOMMUNICATIONS ROUGH-IN SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOL ON THE CONTRACT DOCUMENTS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
- BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
- INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
- ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER (OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR) SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
- UNLESS TRADE RULES DICTATE OTHERWISE.
- FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
- INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE GROUNDING SYSTEM REQUIRED BY THE SPECIFICATIONS.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE GROUNDING RISER.

TELECOM ROOM REFERENCES

TELECOM ROOM	DETAIL/SHEET REFERENCE	FLOORPLAN REFERENCE
HC-1	1/T101	T103
HC-2	3/T104	1/T104
HC-3	4/T104	2/T104
MCR-1	T100	T100
TER-1	T100	T100

INFORMATION OUTLET SCHEDULE

NOTE: REFER TO THE INFORMATION OUTLET SCHEDULE LEGEND FOR POSITION JACK TYPE DESCRIPTION, THE INFORMATION OUTLET DETAILS AND T601 GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.							
CONFIGURATION	FACEPLATE FEATURES						SCHEDULE NOTES
	FACEPLATE PORTS	POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	
1. 3D	4	DATA	DATA	DATA	VOICE		
1. 1D	1	DATA					
1. 1V	1	VOICE					
1. WAP	1	DATA					1.
1. 2D	2	DATA	DATA				
1. AV	2	HDMI					
1. VM	1	CATV					

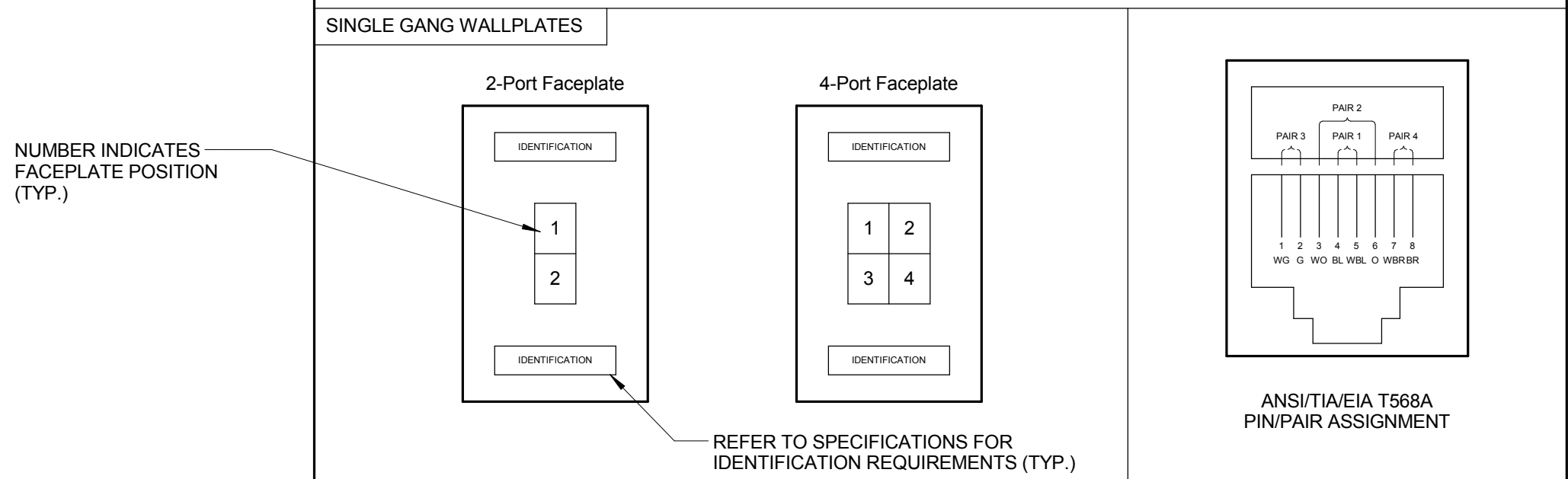
NOTES:

- LOCATION OF FUTURE WIRELESS ACCESS POINT. PROVIDE A 20' SLACK COIL AT NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION AFTER FUTURE RF SURVEY.

INFORMATION OUTLET SCHEDULE...

JACK TYPE	IO SCHEDULE DESCRIPTION
BLANK	BLANK FILLER MODULE
CATV	RG 6 F-CONNECTOR
DATA	CAT 6 RJ-45
HDMI	HDMI CONNECTOR
VOICE	CAT 6 RJ-45

INFORMATION OUTLET DETAILS



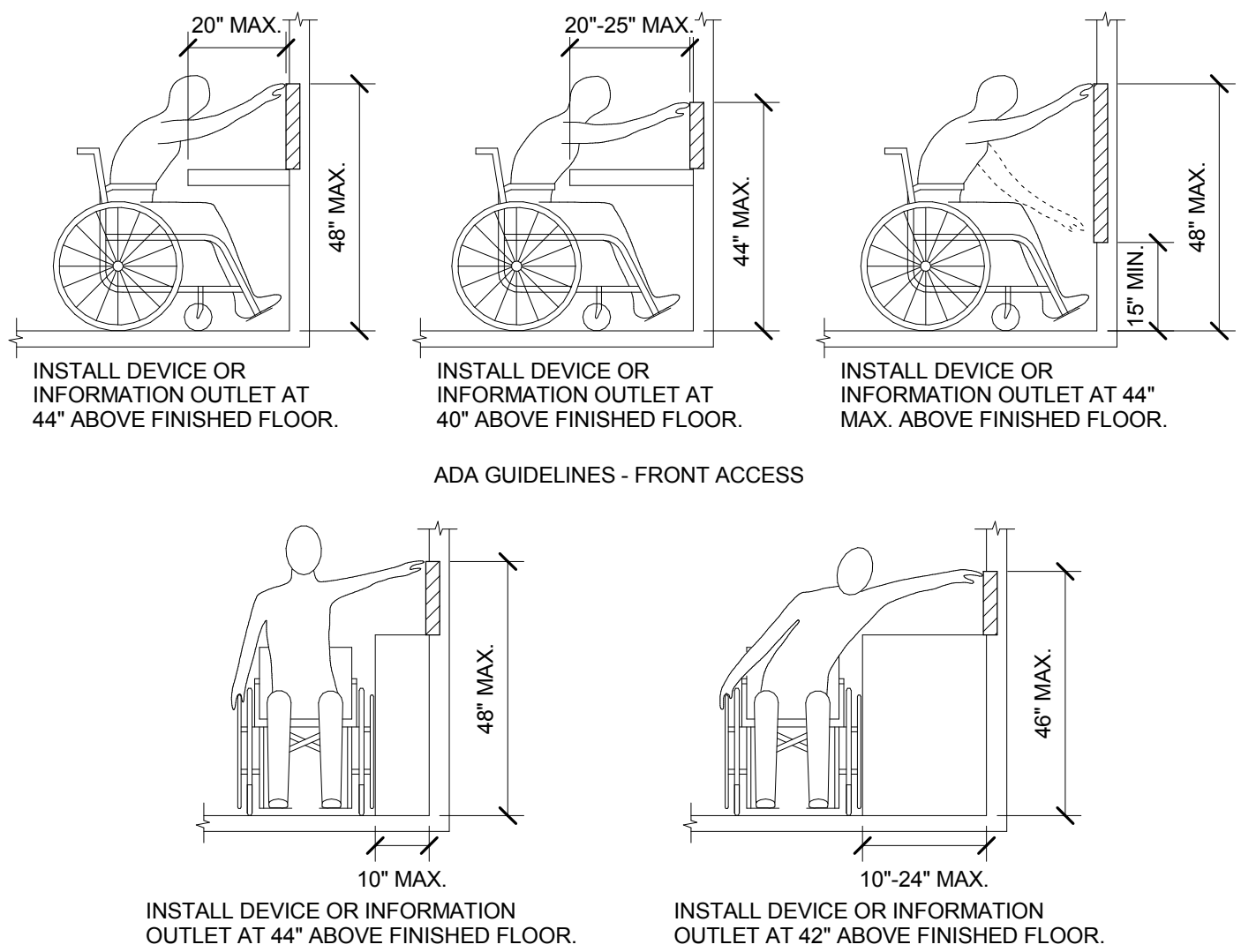
SYMBOL	EQUIPMENT LIST ABBREVIATION	DESCRIPTION	NOTES:
WAP	SC-WAP-C	CEILING INFORMATION OUTLET, DATA COMMUNICATION ONLY, WIRELESS ACCESS POINT	
# #	SC-IO-W	WALL INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	1.
W	SC-WP-W	WALL INFORMATION OUTLET, WALL TELEPHONE COMMUNICATION	
W	SC-IO-C	CEILING INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	
# #	SC-IO-F	FLOOR INFORMATION OUTLET, COMBINATION TELEPHONE/DATA COMMUNICATION	
MAS	SC-EM-1	EMERGENCY PHONE MASTER STATION	
AV	AV-RI	AV OUTLET	
M	SC-TV-RI	TELEVISION OUTLET	
MAS	NC-MAS-W	MASTER STATION	
S	VA-S-C	FACILITY PAGING SPEAKER (CEILING)	
H	VA-H-W	FACILITY PAGING HORN (WALL)	
H	NC-D-C	NURSE CALL DOME LIGHT	
H	NC-T-W	NURSE CALL TOILET STATION	
H	NC-E	NURSE CALL EMERGENCY STATION	
H	NC-DTY-W	NURSE CALL DUTY STATION	
AV	AV-WP1-C	AV WALLPLATE (CEILING) - TYPE 1	
WP1	AV-WP1-W	AV WALLPLATE (WALL) - TYPE 1	
CSS	N.A.	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	
HH	PW-HH-1	HAND HOLE	
EM	SC-EM-1	EMERGENCY PHONE	
W	AC-PB-1	PANIC BUTTON	
W	AC-CR-1	CARD READER	
W	AC-CR-2	DUAL AUTHENTICATION CARD READER	

GENERAL NOTES:

- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
- ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
- ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPES KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

TECHNOLOGY SYMBOL NOTES:

- "C" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T-000 FOR ADDITIONAL INFORMATION.
- SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
- REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T601 FOR ADDITIONAL INFORMATION.
- INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. "C" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T-000 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.



ADA GUIDELINES FOR ALL CONFIGURATIONS

Revisions:	Date:
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CONSULTANTS:

HEALTHCARE PLANNERS: VOA ARCHITECTS
MEPP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

ARCHITECT:



MICHAEL ROTH & ASSOCIATES,
ARCHITECTS & PLANNERS, INC.

200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title

TECHNOLOGY COVER SHEET

Approved: Project Director

Project Title

RENOVATE AND EXPAND
AMBULATORY CARE AND LAB.
SAM RAYBURN MEMORIAL
VETERANS CENTER

Location

BONHAM, TEXAS

Date

APRIL 13, 2015

Checked

DAVLAR

Drawn

KEIWE

Project Number

549-130

Building Number

1

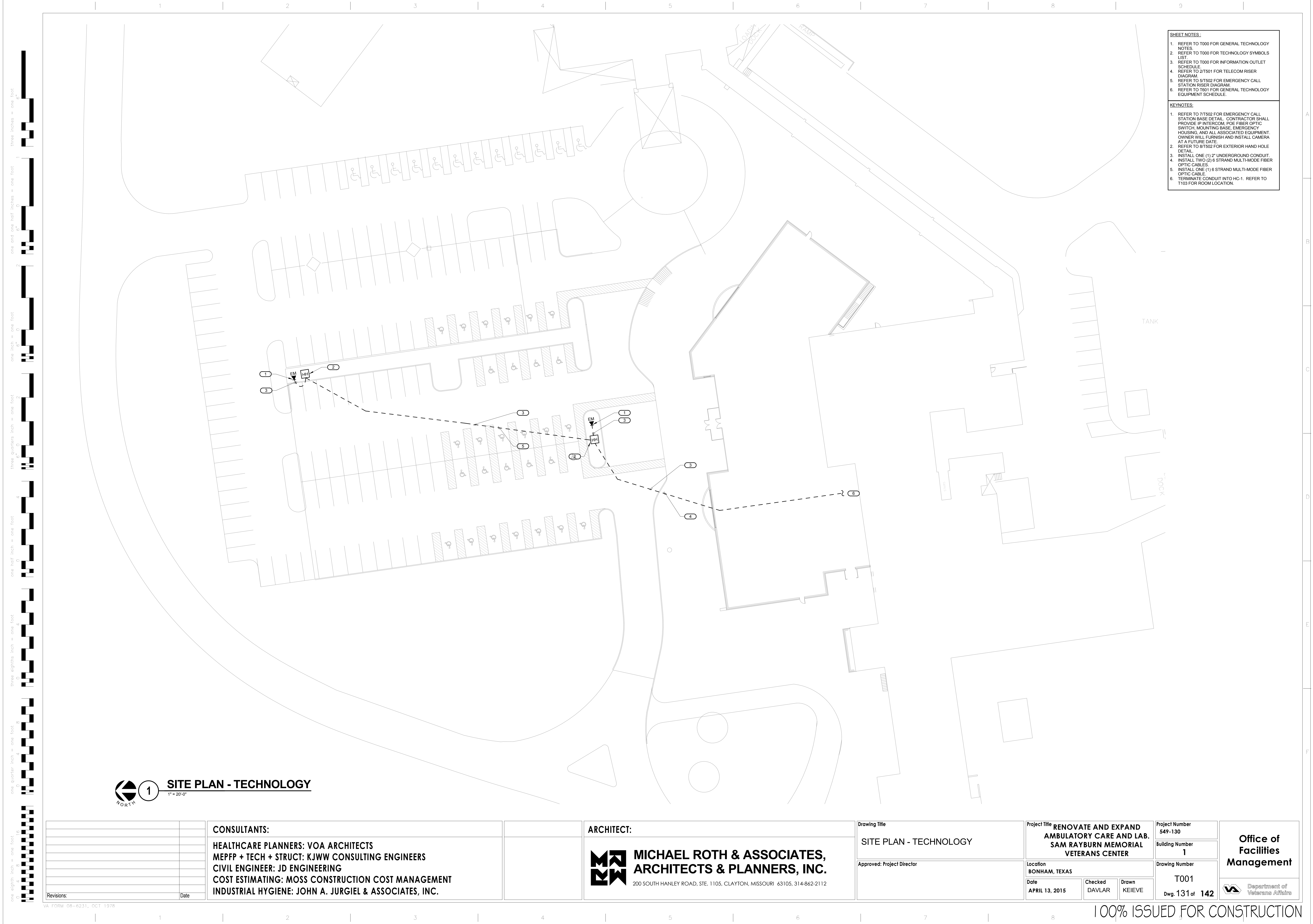
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T000

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Office of
Facilities
Management

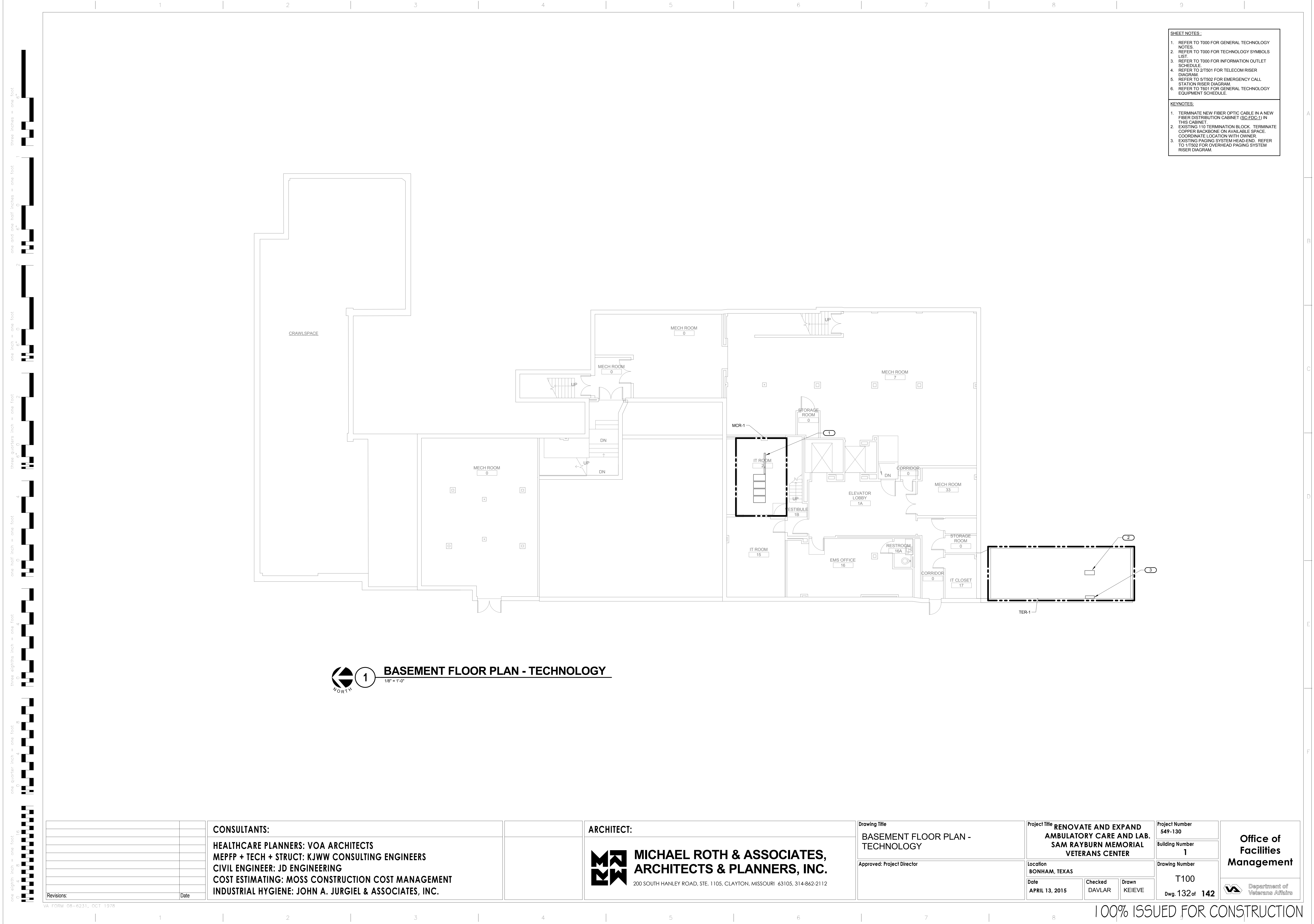




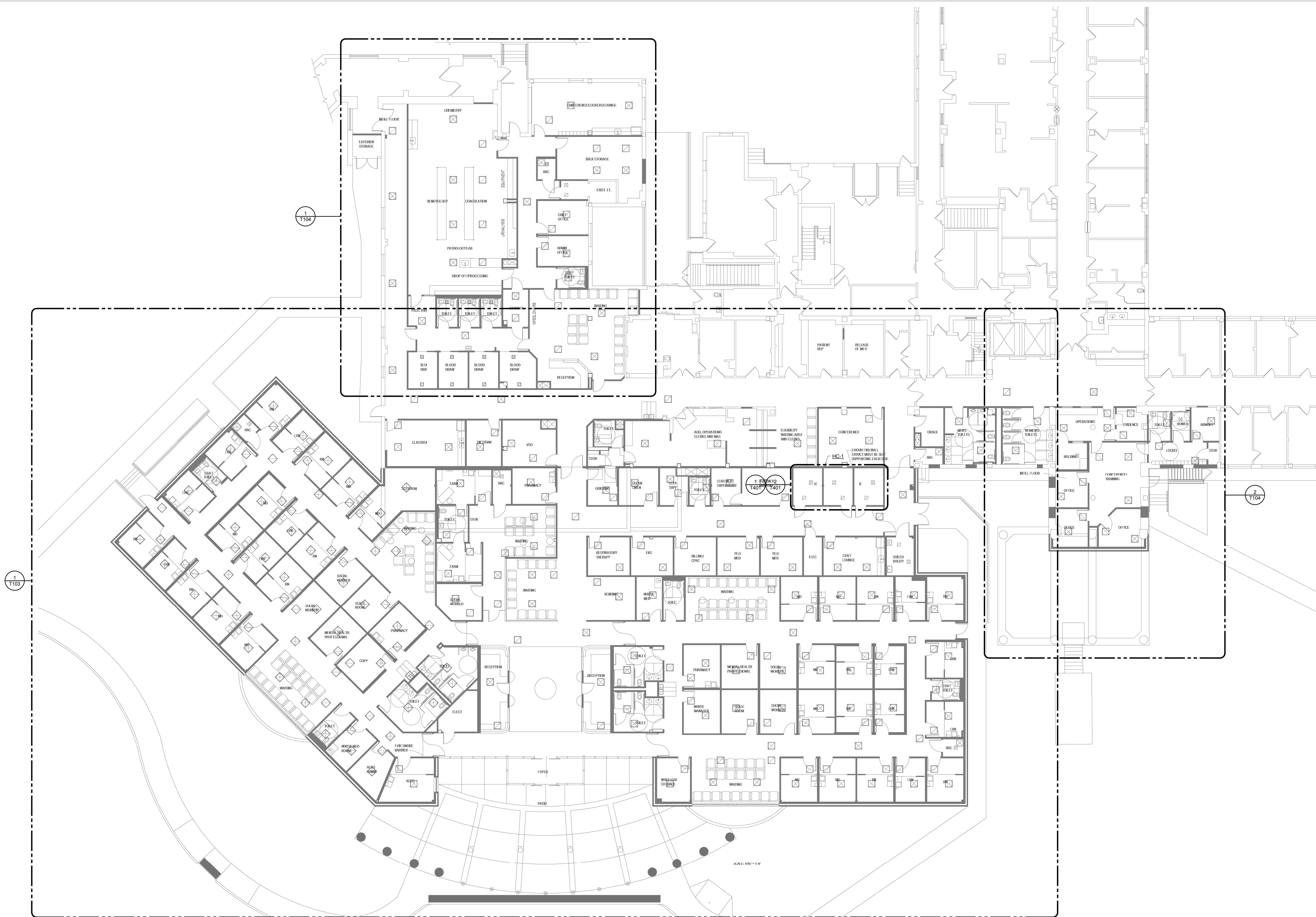
- SHEET NOTES:**
1. REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 2. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 3. REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 4. REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
 5. REFER TO 5/T502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 6. REFER TO T601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
- KEYNOTES:**
1. REFER TO 7/T502 FOR EMERGENCY CALL STATION BASE DETAIL. CONTRACTOR SHALL PROVIDE IP INTERCOM, POE FIBER OPTIC SWITCH, MOUNTING BASE, EMERGENCY HOUSING, AND ALL ASSOCIATED EQUIPMENT. OWNER WILL FURNISH AND INSTALL CAMERA AT A FUTURE DATE.
 2. REFER TO 8/T502 FOR EXTERIOR HAND HOLE DETAIL.
 3. INSTALL ONE (1) 2" UNDERGROUND CONDUIT.
 4. INSTALL TWO (2) 6 STRAND MULTI-MODE FIBER OPTIC CABLES.
 5. INSTALL ONE (1) 6 STRAND MULTI-MODE FIBER OPTIC CABLE.
 6. TERMINATE CONDUIT INTO HC-1. REFER TO T103 FOR ROOM LOCATION.

1 SITE PLAN - TECHNOLOGY
1" = 20'-0"

		CONSULTANTS: HEALTHCARE PLANNERS: VOA ARCHITECTS MEPPF + TECH + STRUCT: KJWW CONSULTING ENGINEERS CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	ARCHITECT: <div><div></div><div>MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.</div><div>200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112</div></div>	Drawing Title		Project Title		Project Number		<div>Office of Facilities Management</div> <div><div></div>Department of Veterans Affairs</div>	
				SITE PLAN - TECHNOLOGY		RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER		549-130			
				Approved: Project Director		Location BONHAM, TEXAS		Building Number 1			
				Date APRIL 13, 2015		Checked DAVLAR	Drawn KEIEVE	Drawing Number T001			
Revisions:								Dwg. 131 of 142			
Date											



- SHEET NOTES:**
- REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 - REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 - REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 - REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
 - REFER TO 5/T502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 - REFER TO T001 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
- KEYNOTES:**
- TERMINATE NEW FIBER OPTIC CABLE IN A NEW FIBER DISTRIBUTION CABINET (SC-FDC-1) IN THIS CABINET.
 - EXISTING 110 TERMINATION BLOCK. TERMINATE COPPER BACKBONE ON AVAILABLE SPACE. COORDINATE LOCATION WITH OWNER.
 - EXISTING PAGING SYSTEM HEAD-END. REFER TO 1/T502 FOR OVERHEAD PAGING SYSTEM RISER DIAGRAM.



 1 OVERALL FIRST FLOOR PLAN - ADDITION AND RENOVATION - TECHNOLOGY
3/32" = 1'-0"

[illegible]

three inches = one foot
one and one half inches = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot

- SHEET NOTES:
1. REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.

2. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.

3. REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.

4. REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.

5. REFER TO 5/T501 FOR TECHNOLOGY OUTLET ROUGH-IN INFORMATION.

6. REFER TO 6/T501 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL.

7. REFER TO 1/T502 FOR OVERHEAD PAGING SYSTEM RISER DIAGRAM.

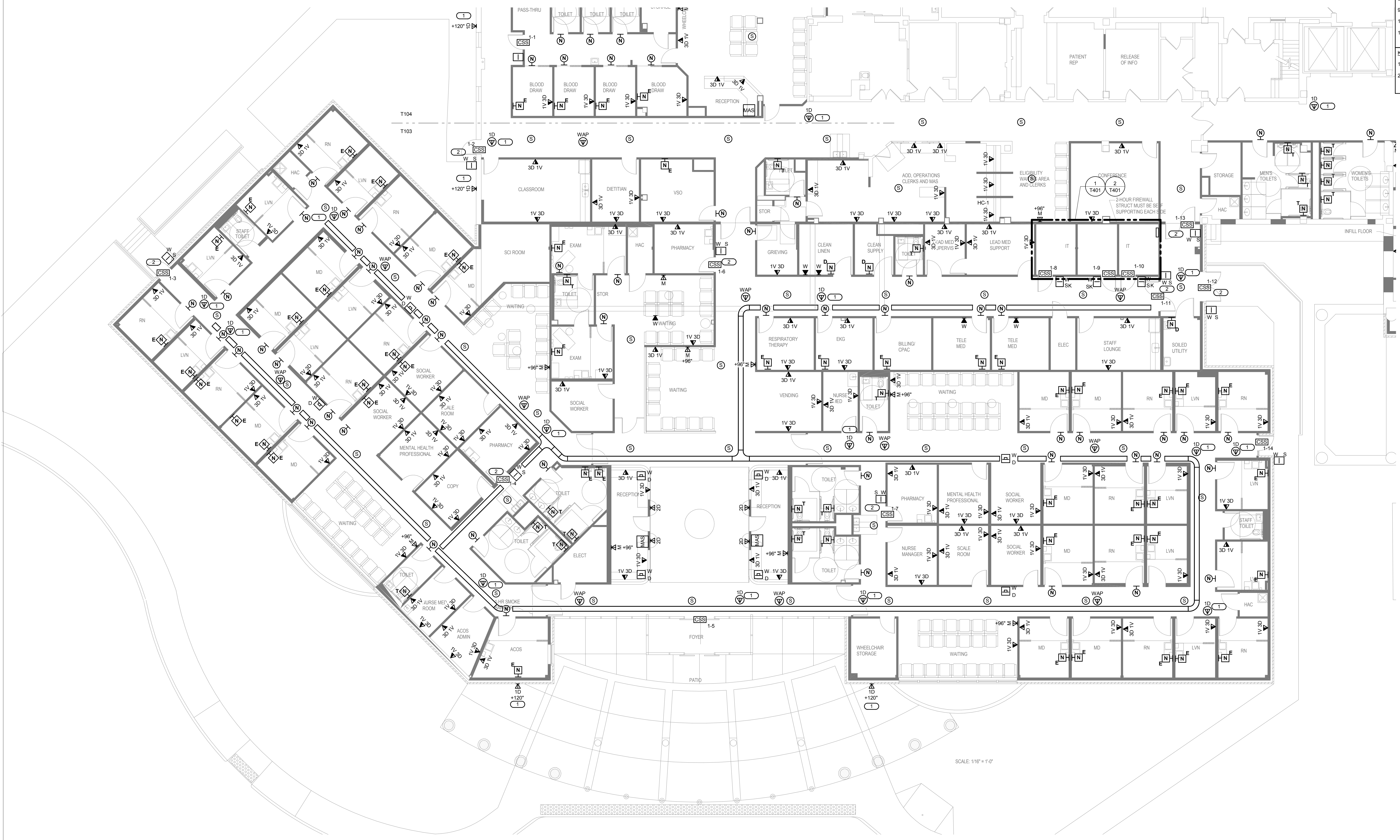
8. REFER TO 2/T502 FOR ACCESS CONTROL RISER DIAGRAM.

9. REFER TO 3/T502 FOR NURSE CALL STATION RISER DIAGRAM.

10. REFER TO T001 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.

11. ALL INFORMATION OUTLET CABLE LOCATIONS ON THIS SHEET SHALL ROUTE TO HC-1.
- KEYNOTES:
1. CAMERA LOCATION CAMERA TO BE OWNER FURNISHED AND OWNER INSTALLED.

2. CONTRACTOR SHALL ROUGH-IN CARD READERS AND DOORS FOR SECURITY SYSTEM. REFER TO DETAIL 6/T-501.



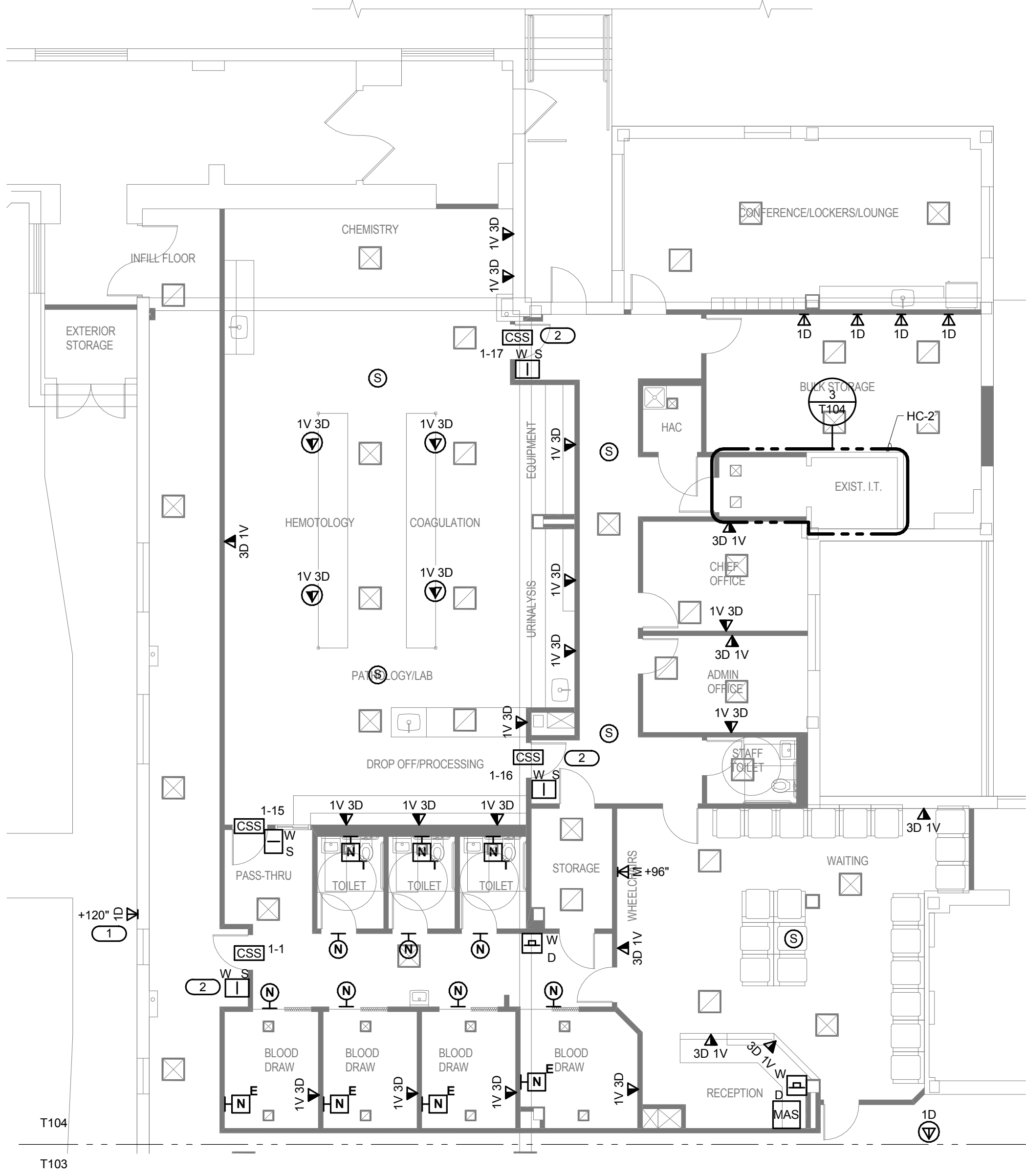
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ENLARGED PLAN - AMBULATORY CARE - TECHNOLOGY

1/8" = 1'-0"

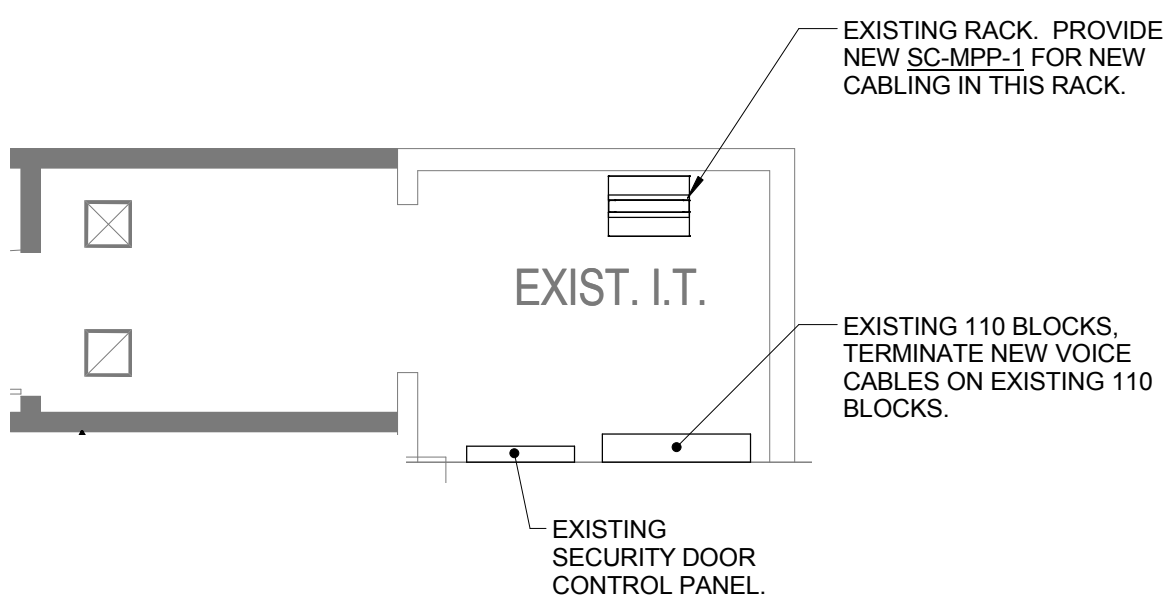
		CONSULTANTS:		ARCHITECT:		<div>Drawing Title</div> <div>ENLARGED PLAN - AMBULATORY CARE - TECHNOLOGY</div> <div>Approved: Project Director</div>		<div>Project Title</div> <div>RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER</div> <div>Location BONHAM, TEXAS</div> <div>Date APRIL 13, 2015</div> <div>Checked DAVLAR</div> <div>Drawn KEIEVE</div>			<div>Project Number 549-130</div> <div>Building Number 1</div> <div>Drawing Number T103</div> <div>Dwg. 135 of 142</div>		<div>Office of Facilities Management</div> <div><div></div>Department of Veterans Affairs</div>	
		HEALTHCARE PLANNERS: VOA ARCHITECTS				MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.								
		MEPPF + TECH + STRUCT: KJWW CONSULTING ENGINEERS				200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112								
		CIVIL ENGINEER: JD ENGINEERING												
		COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT												
		INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.												
<div>Revisions:</div>		<div>Date</div>												

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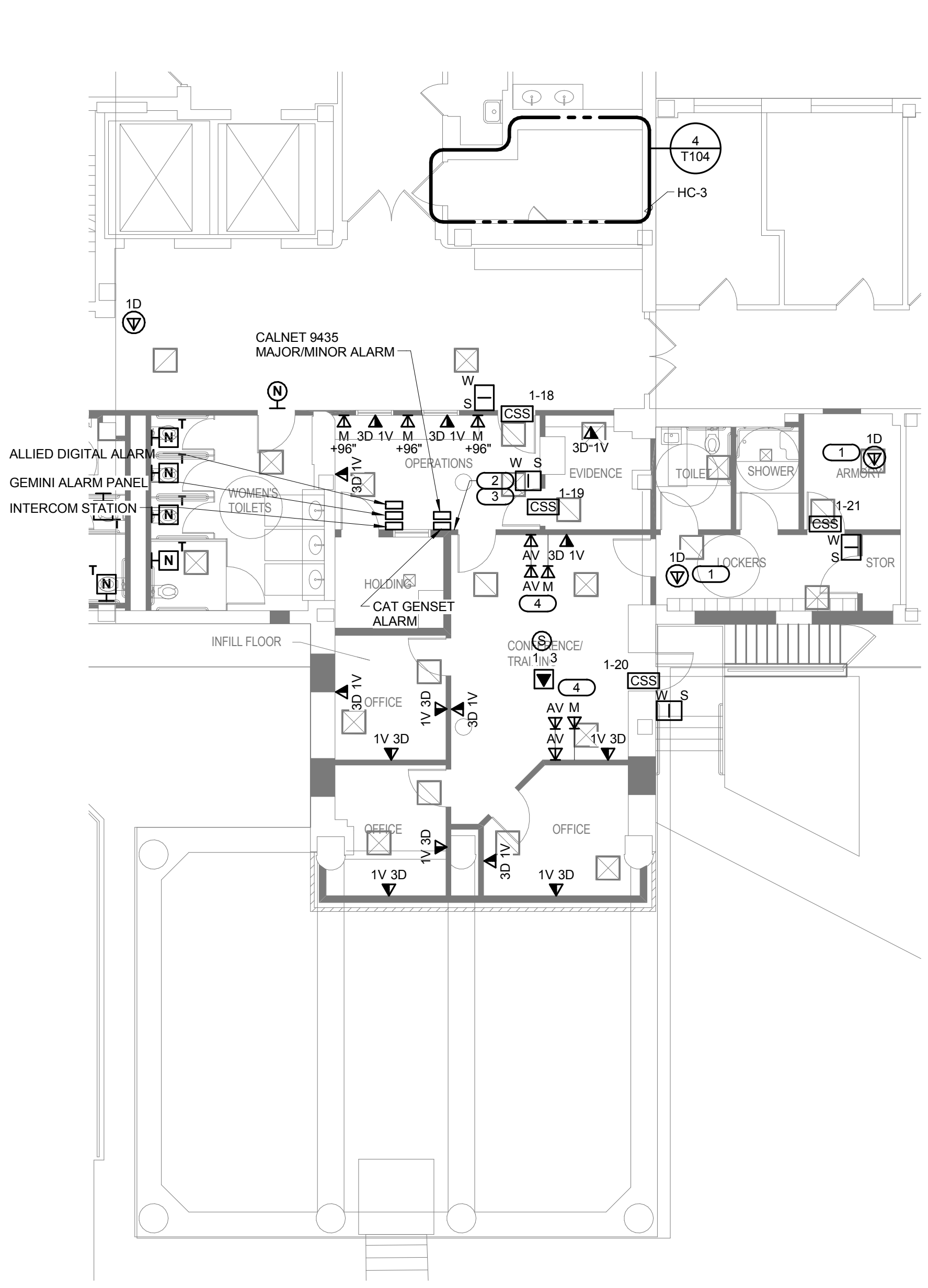
1 ENLARGED LABORATORY FLOOR PLAN - TECHNOLOGY

- 1/8" = 1'-0"
- NOTES:**
1. REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 2. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 3. REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 4. REFER TO 2/7501 FOR TELECOM RISER DIAGRAM.
 5. REFER TO 5/7501 FOR TECHNOLOGY OUTLET ROUGH-IN INFORMATION.
 6. REFER TO 1/7502 FOR OVERHEAD PAGING SYSTEM RISER DIAGRAM.
 7. REFER TO 2/7502 FOR ACCESS CONTROL RISER DIAGRAM.
 8. REFER TO 3/7502 FOR NURSE CALL STATION RISER DIAGRAM.
 9. CONTRACTOR SHALL ROUGH-IN CARD READERS AND DOORS FOR SECURITY SYSTEM. REFER TO DETAIL 6/T-601.
 10. REFER TO T601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
 11. ALL INFORMATION OUTLET CABLE LOCATIONS ON THIS SHEET SHALL ROUTE TO HC-2.
- KEYNOTES:**
1. CAMERA LOCATION. ROUTE CABLING TO SECURITY SYSTEMS ROOM. REFER TO 1/7401 FOR ADDITIONAL INFORMATION. CAMERA TO BE OWNER FURNISHED AND OWNER INSTALLED.
 2. CONTRACTOR SHALL ROUGH-IN CARD READERS AND DOORS FOR SECURITY SYSTEM. REFER TO DETAIL 6/T-501.



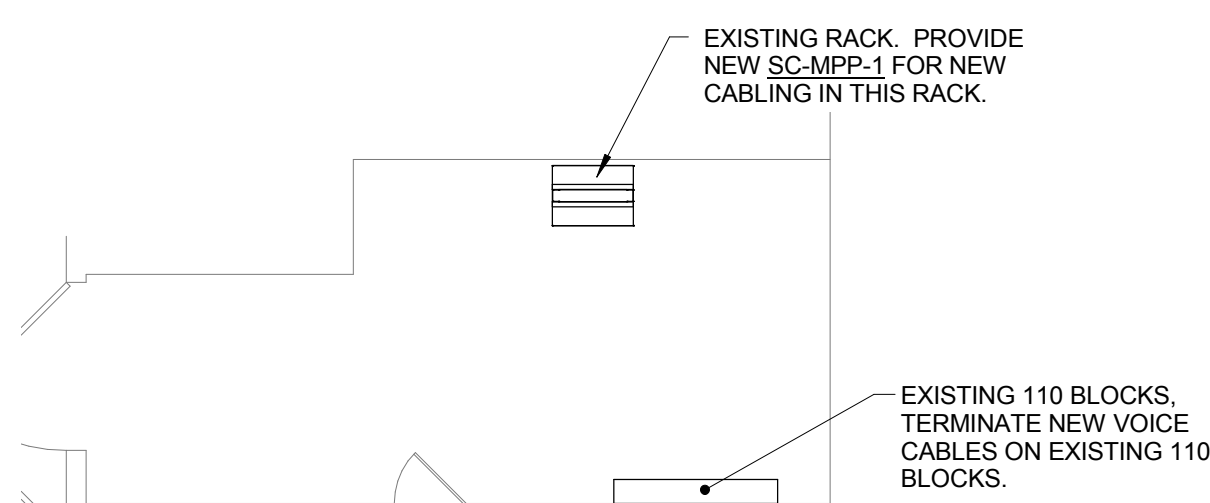
3 ENLARGED TECHNOLOGY PLAN HC-2

1/4" = 1'-0"



2 ENLARGED SECURITY FLOOR PLAN - TECHNOLOGY

- 1/8" = 1'-0"
- NOTES:**
1. REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 2. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 3. REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 4. REFER TO 2/7501 FOR TELECOM RISER DIAGRAM.
 5. REFER TO 5/7501 FOR TECHNOLOGY OUTLET ROUGH-IN INFORMATION.
 6. REFER TO 1/7502 FOR OVERHEAD PAGING SYSTEM RISER DIAGRAM.
 7. REFER TO 2/7502 FOR ACCESS CONTROL RISER DIAGRAM.
 8. REFER TO 3/7502 FOR NURSE CALL STATION RISER DIAGRAM.
 9. REFER TO 4/7502 FOR FIBER AND COPPER RISER DIAGRAM.
 10. REFER TO T601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
 11. ALL INFORMATION OUTLET CABLE LOCATIONS ON THIS SHEET SHALL ROUTE TO HC-3.
 12. CONTRACTOR SHALL ROUGH-IN CARD READERS AND DOORS FOR SECURITY SYSTEM. REFER TO DETAIL 6/T-501.
- KEYNOTES:**
1. CAMERA LOCATION. ROUTE CABLING TO SECURITY SYSTEMS ROOM. REFER TO 1/7401 FOR ADDITIONAL INFORMATION. CAMERA TO BE OWNER FURNISHED AND OWNER INSTALLED.
 2. PLACE RELOCATED ALARM PANELS ON THIS WALL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
 3. RELOCATED ALARM PANELS. REFER TO T101 FOR MORE INFORMATION.
 4. MOUNT CATV AND UPPER AV OUTLETS AT 66" AFF. VERIFY EXACT MOUNTING LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLING ROUGH-IN.
 5. OUTLETS FOR SECURITY SYSTEM MONITORS VERIFY EXACT CONNECTION TYPE REQUIRED WITH SECURITY SYSTEM CONTRACTOR AND MOUNTING HEIGHTS WITH ARCHITECTURAL DETAILS PRIOR TO INSTALLATION.



4 ENLARGED TECHNOLOGY PLAN HC-3

1/4" = 1'-0"

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100% ISSUED FOR CONSTRUCTION

- SHEET NOTES:
1. REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.

2. REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.

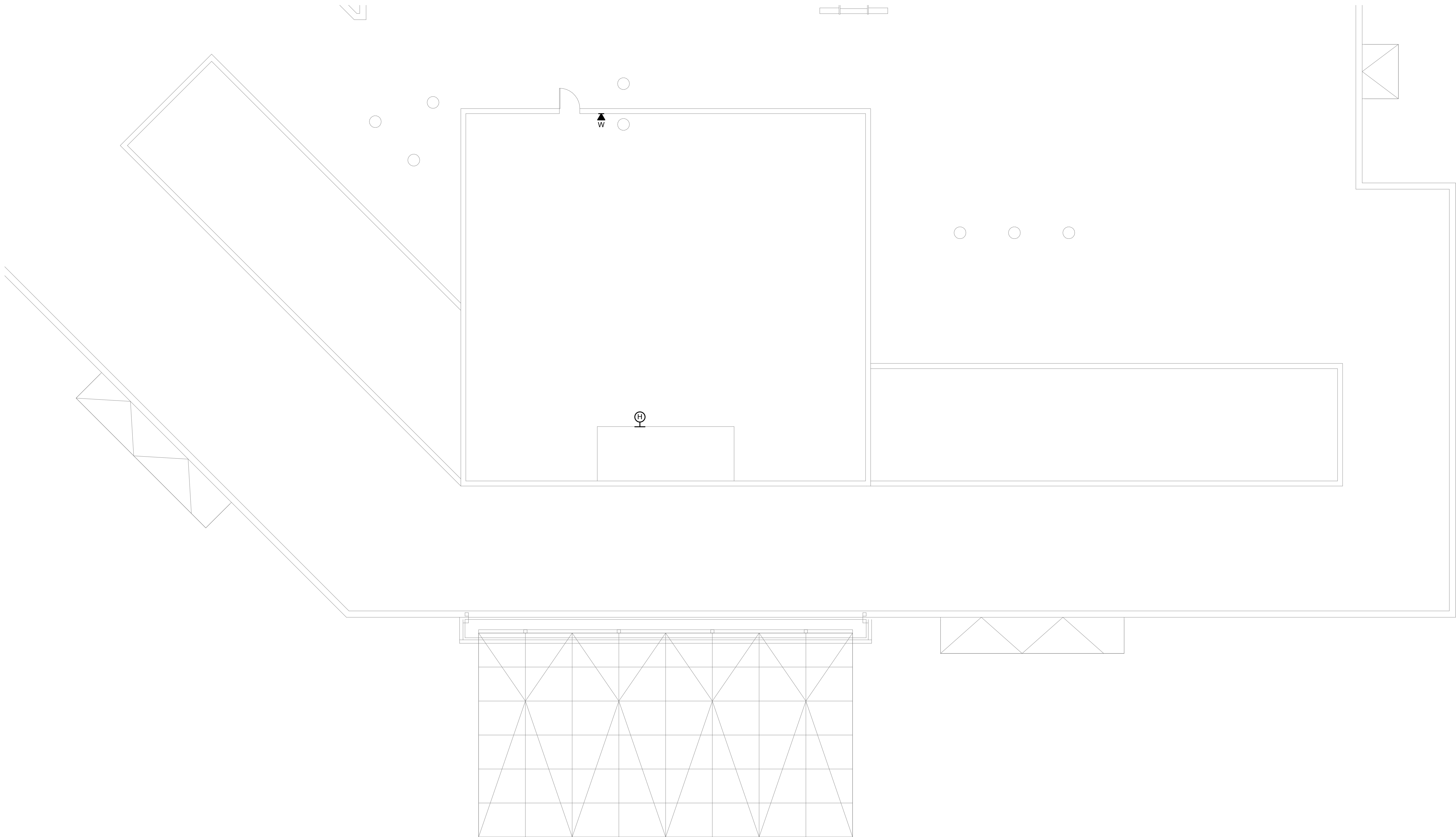
3. REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.

4. REFER TO 2/T001 FOR TELECOM RISER DIAGRAM.

5. REFER TO S/T001 FOR TECHNOLOGY OUTLET ROUGH-IN INFORMATION.

6. REFER TO T001 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.

7. ALL INFORMATION OUTLET CABLE LOCATIONS ON THIS SHEET SHALL ROUTE TO HC-1.

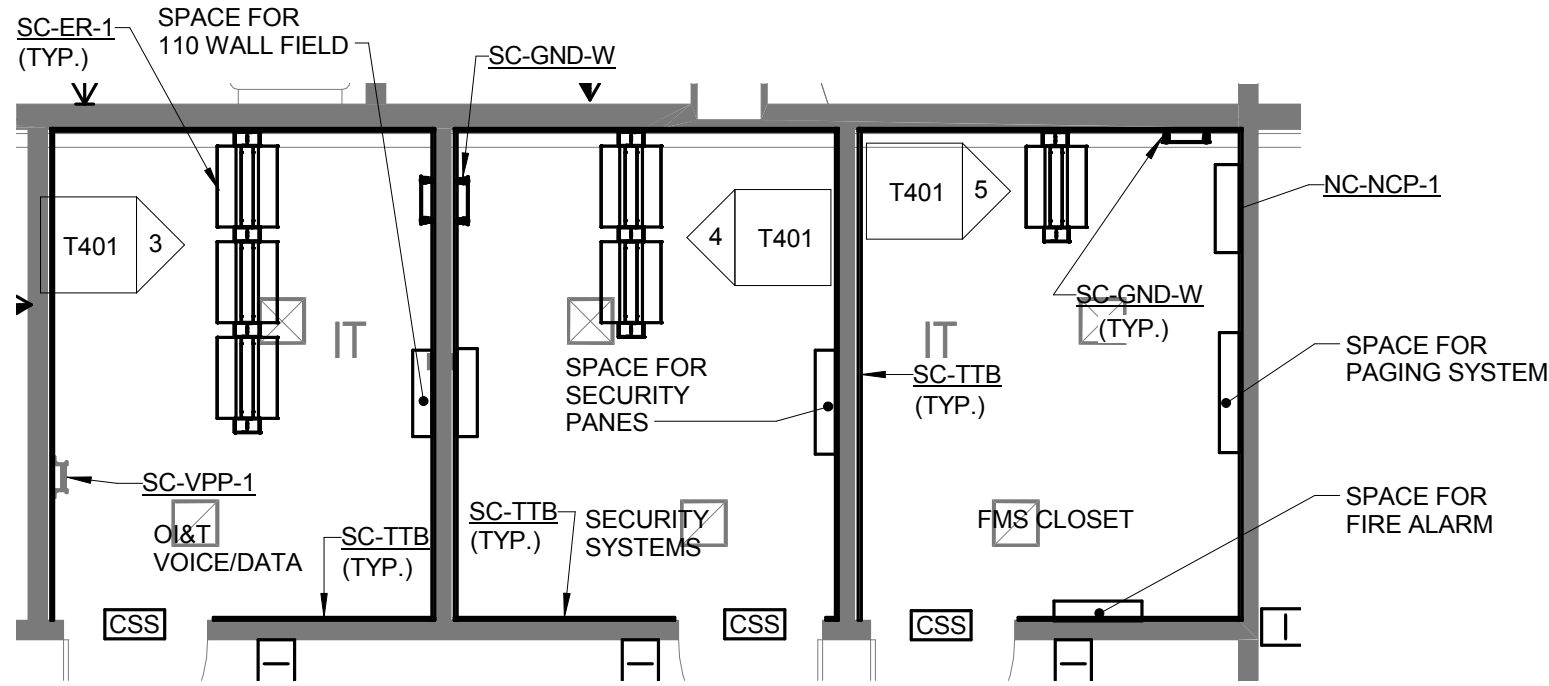


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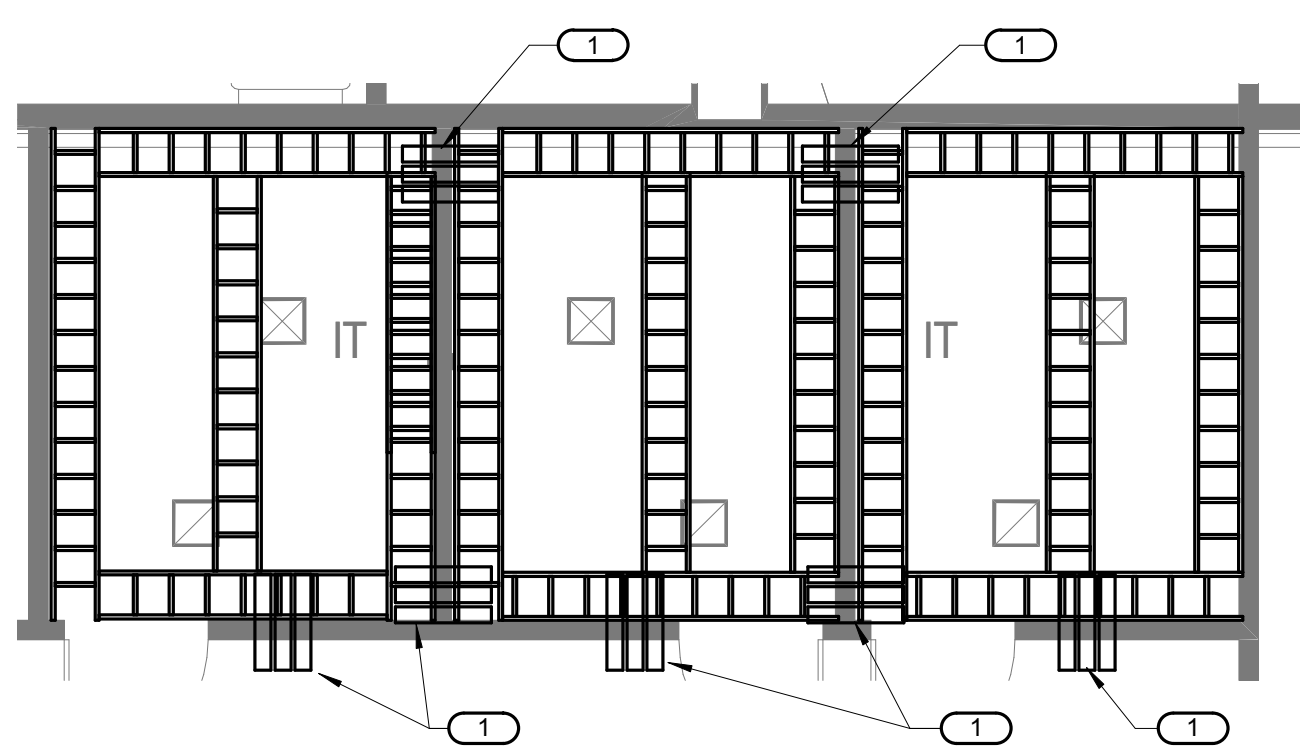
1/8" = 1'-0"

ROOF PLAN - TECHNOLOGY

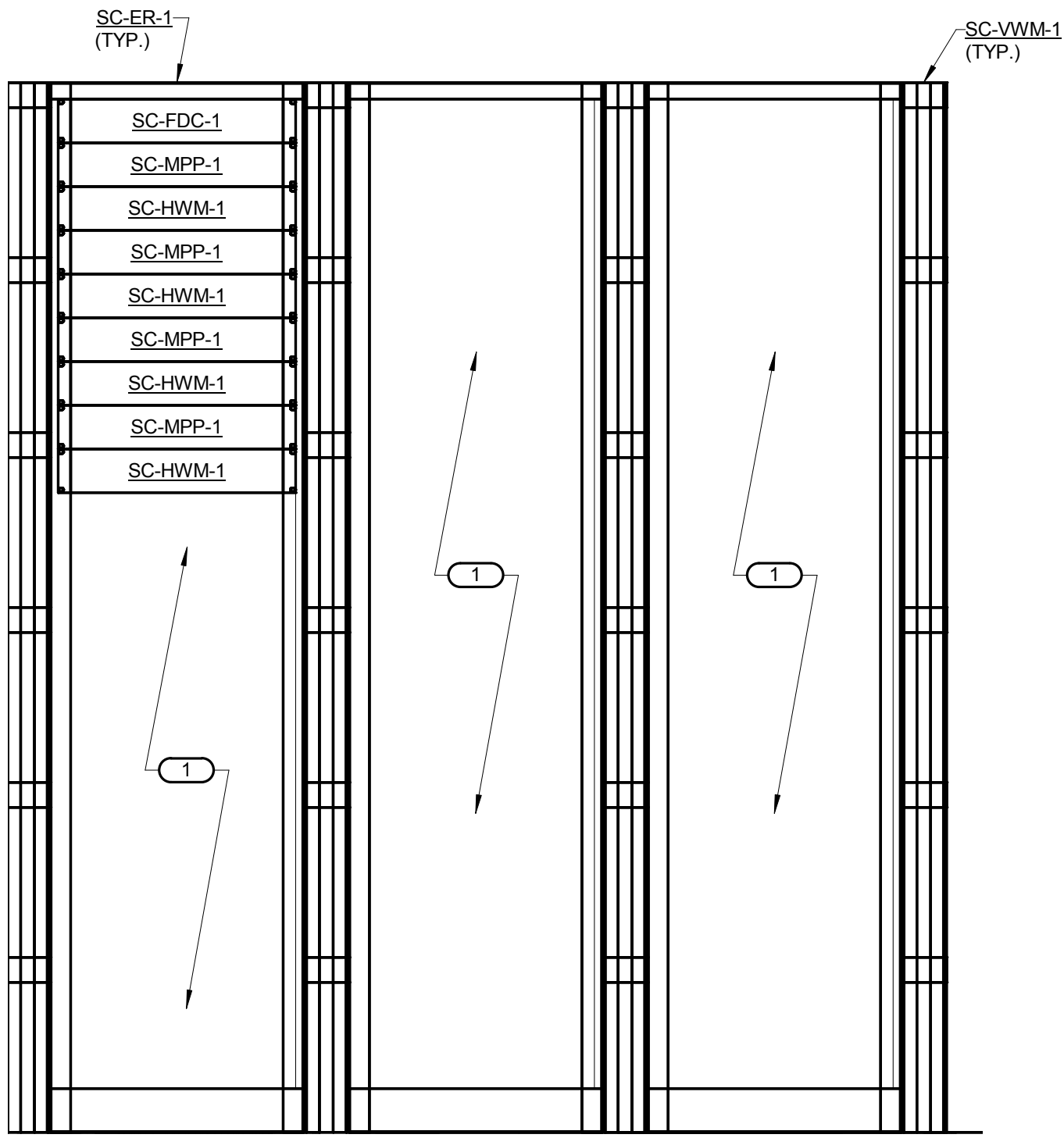
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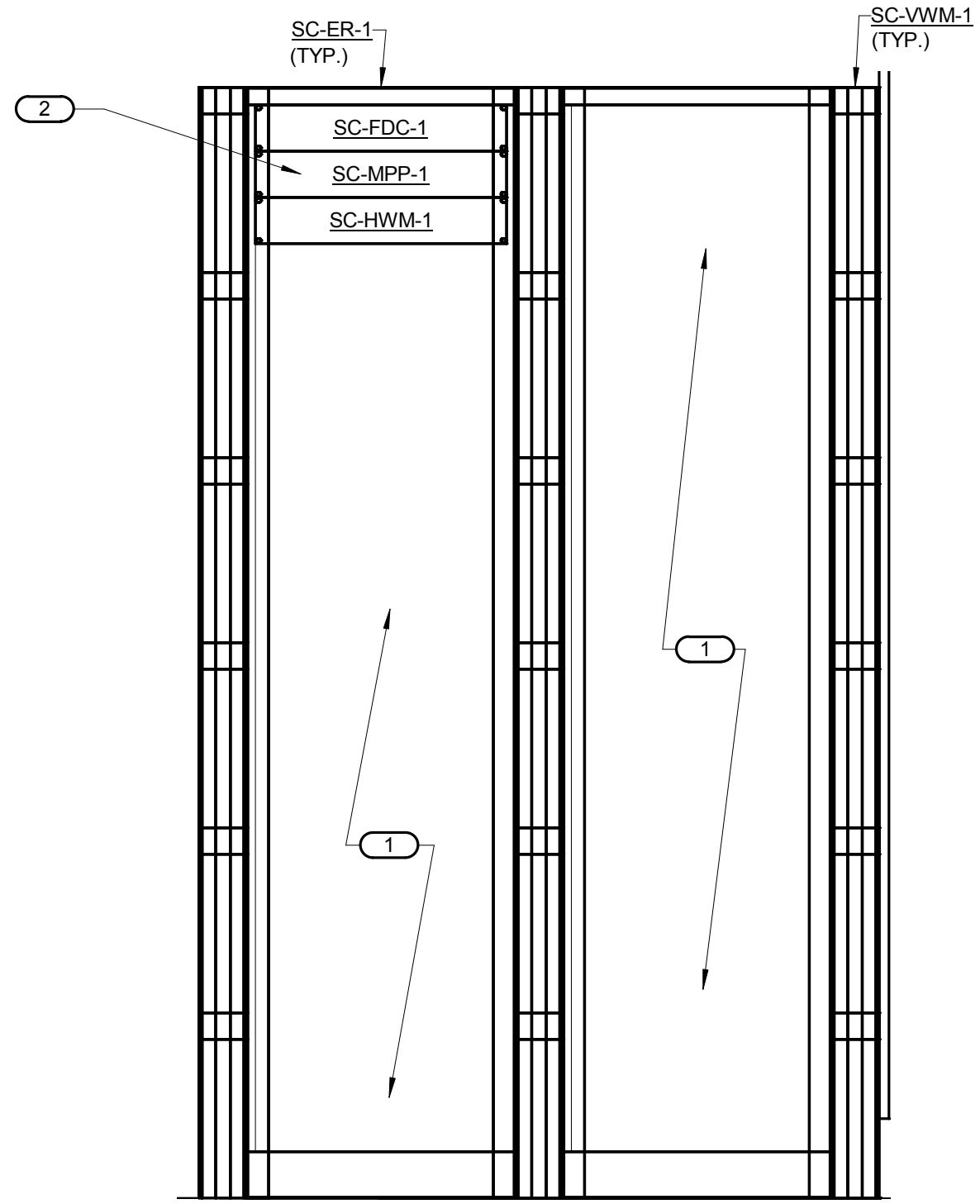
1 DATA ROOM ENLARGEMENT HC-1
1/4" = 1'-0"
NOTES:
1. CONTRACTOR SHALL MOUNT GROUND BAR (SC-GND-W) AT 7'-0" AFF.
2. CONTRACTOR SHALL PROVIDE FIRE RATED PATHWAYS AS NEEDED FOR CABLING REQUIREMENTS.
3. REFER TO 2/T401 FOR DATA ROOM PATHWAY ENLARGEMENT HC-1.
4. REFER TO 1/T501 FOR BONDING BUS BAR DETAIL.
5. REFER TO 3/T501 FOR TECHNOLOGY BONDING RISER DIAGRAM.
6. REFER TO 4/T501 FOR TELECOM ROOM BONDING FLOW DIAGRAM.



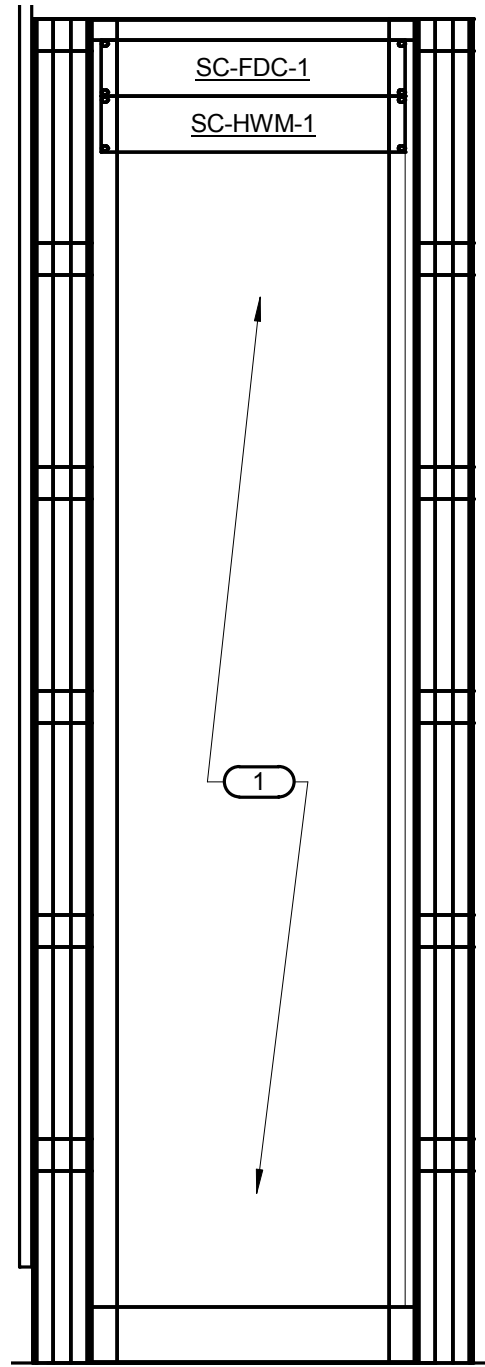
2 DATA ROOM PATHWAY ENLARGEMENT HC-1
1/4" = 1'-0"
NOTES:
1. CONTRACTOR SHALL MOUNT LADDER RACK AT 8'-0" A.F.F.
2. REFER TO 7/T501 FOR CABLE RUNWAY RADIUS DROP. PROVIDE CABLE RUNWAY RADIUS DROP FOR EACH RACK.
KEYNOTES:
1. THREE (3) 4" CONDUIT SLEEVES.



3 OI&T RACK ELEVATION HC-1
NO SCALE
NOTES:
1. REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
KEYNOTES:
1. SPACE FOR OWNER PROVIDED EQUIPMENT.

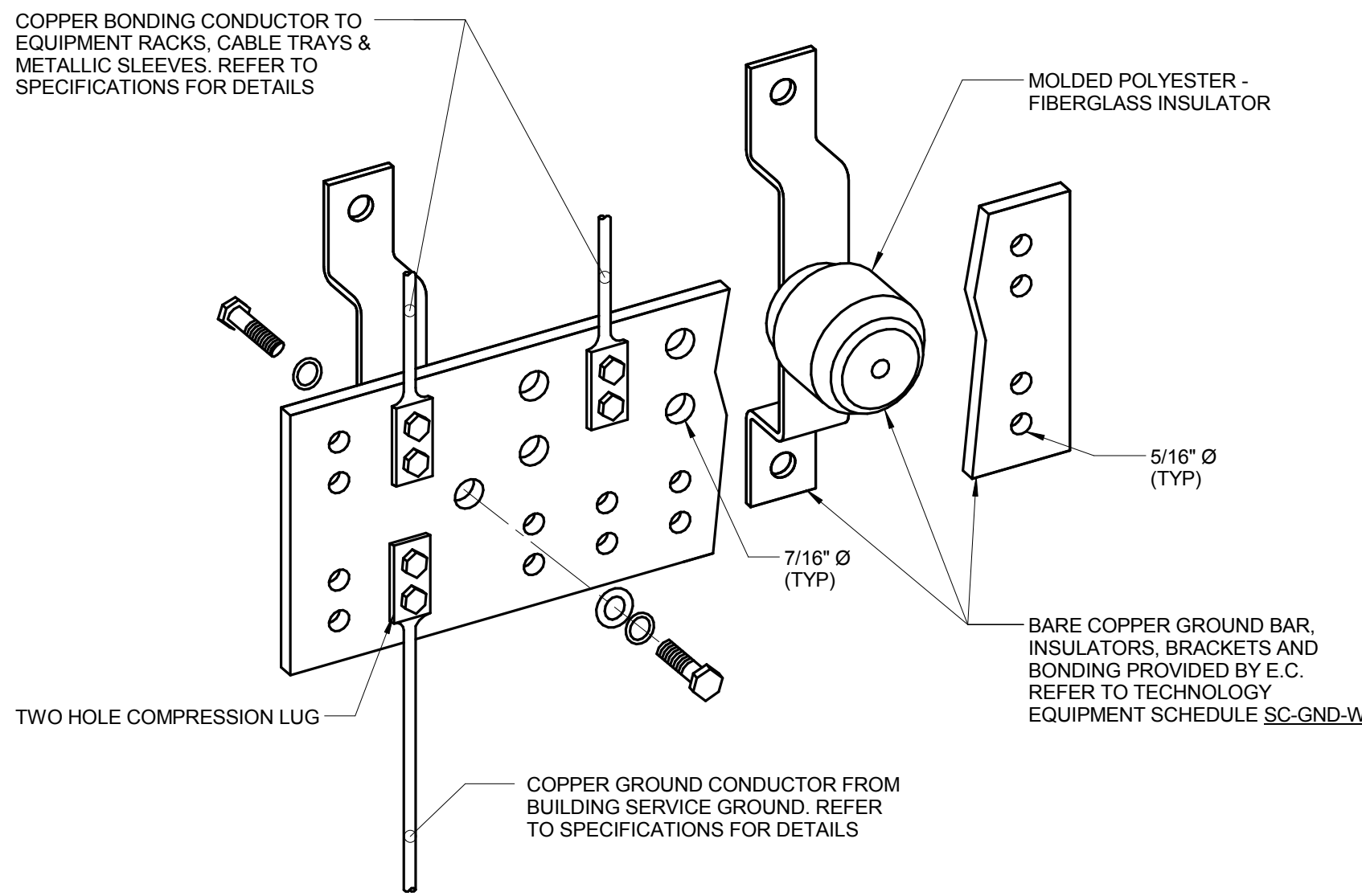


4 SECURITY SYSTEMS RACK ELEVATION HC-1
NO SCALE
NOTES:
1. REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
KEYNOTES:
1. SPACE FOR OWNER PROVIDED EQUIPMENT.
2. PATCH PANEL RESERVED FOR CAMERA CABLE TERMINATIONS.

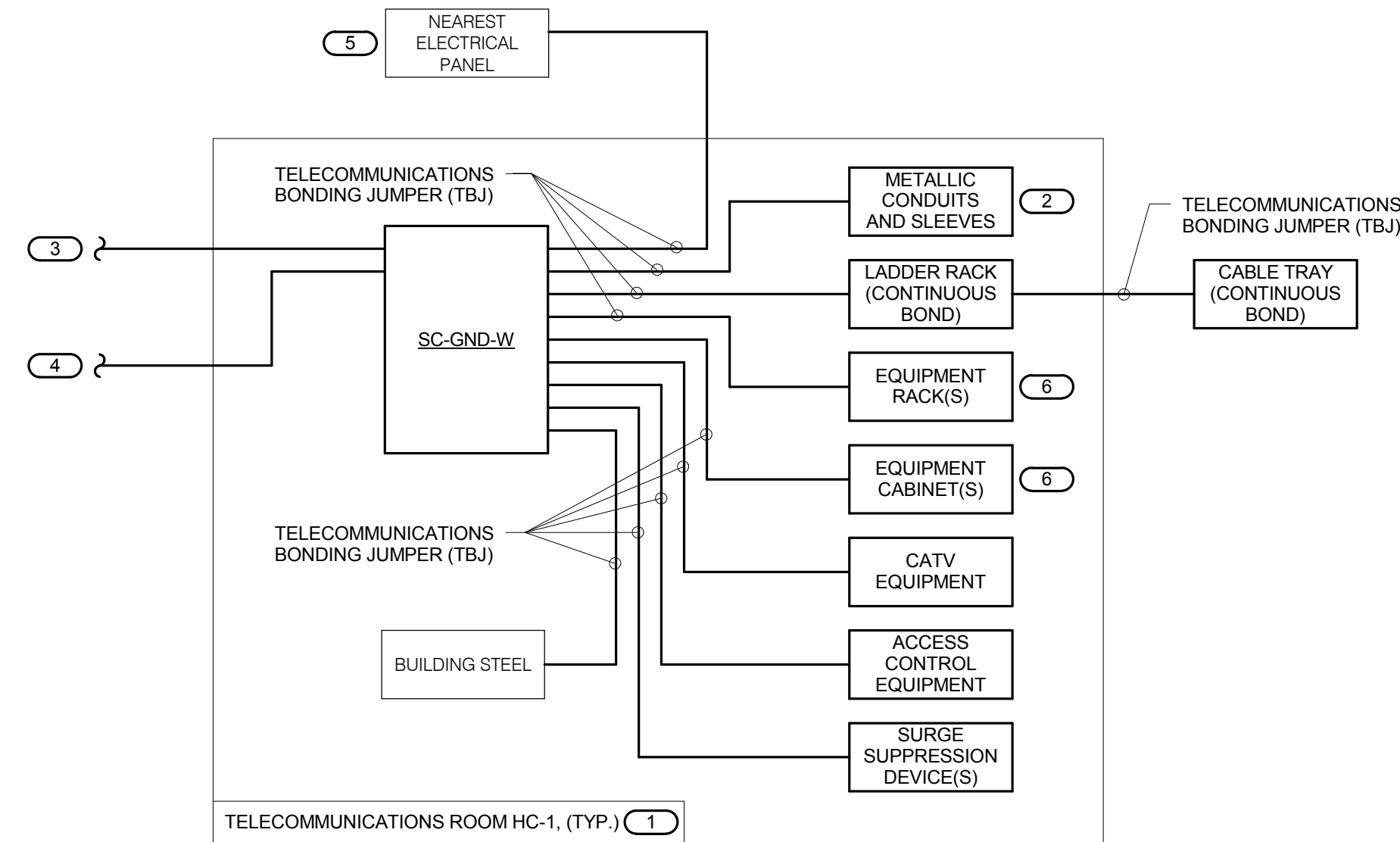


5 FMS RACK ELEVATION HC-1
NO SCALE
NOTES:
1. REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
KEYNOTES:
1. SPACE FOR OWNER PROVIDED EQUIPMENT.

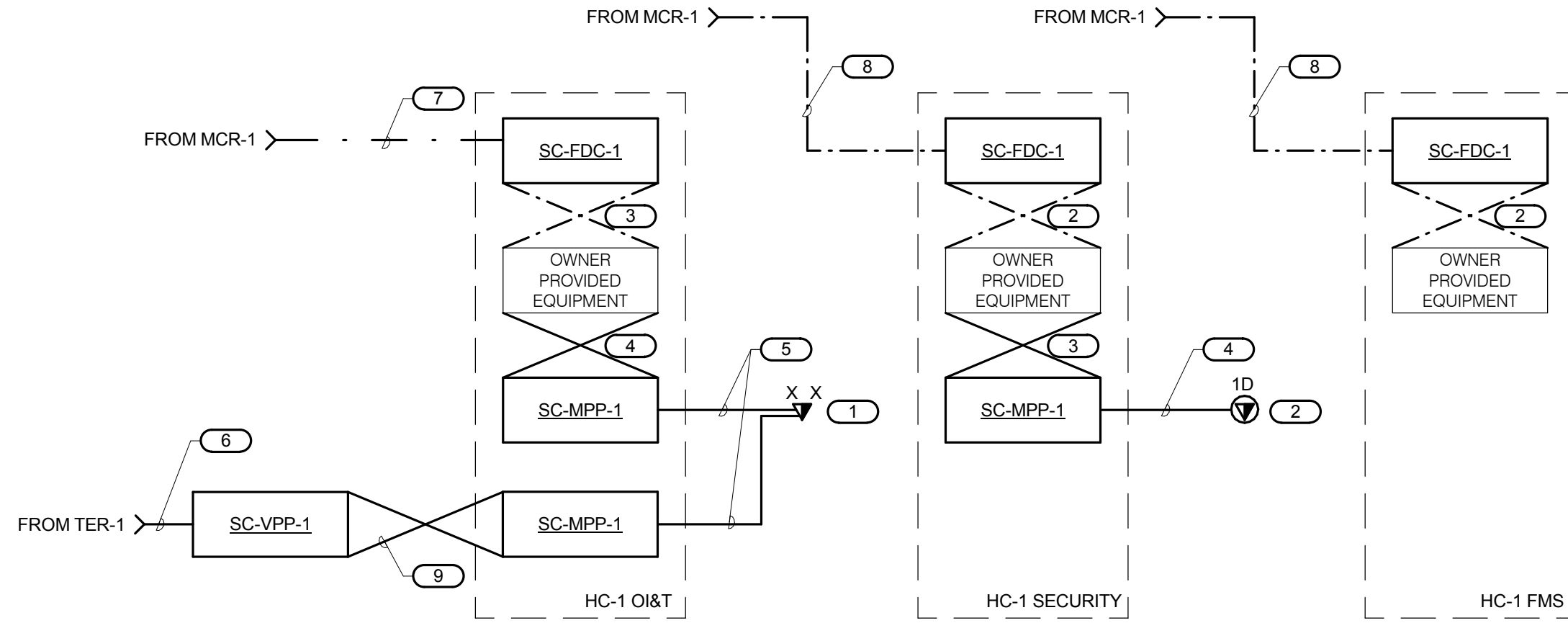
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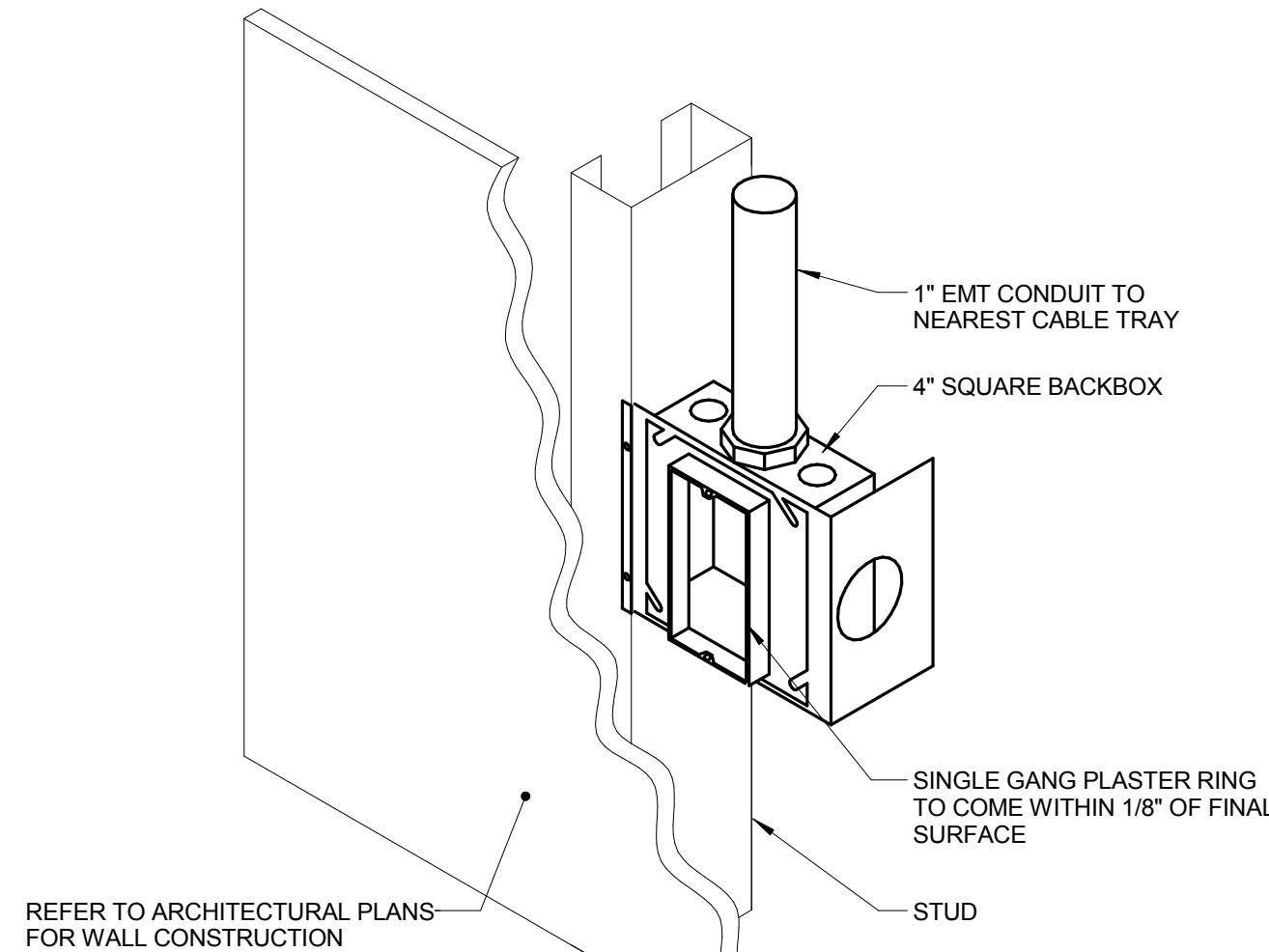
- 1 BONDING BUS BAR DETAIL**
- NO SCALE
- NOTES:
1. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE SC-GND-W FOR WIDTH REQUIREMENTS.
 2. REFER TO 4/T501 FOR TELECOMMUNICATIONS ROOM BONDING FLOW DIAGRAM.



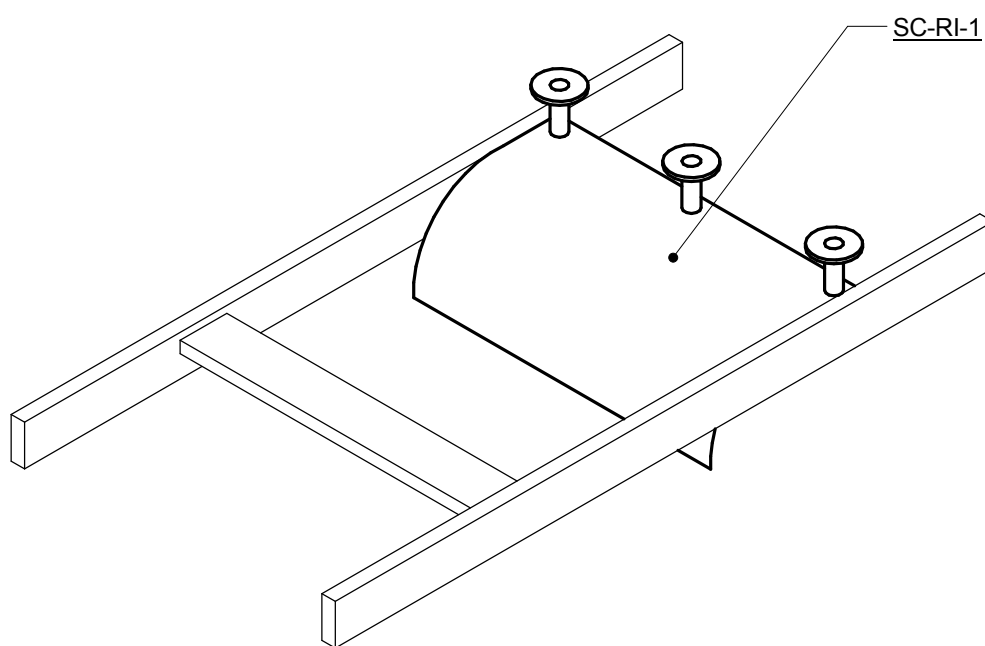
- 4 TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM**
- NO SCALE
- NOTES:
1. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS FLOW DIAGRAM IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
 4. REFER TO 1/T501 FOR BONDING BUS BAR DETAIL AND ADDITIONAL INFORMATION AND REQUIREMENTS FOR SC-GND-W.
- KEYNOTES:
1. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.
 2. INCLUDES HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING.
 3. TELECOMMUNICATIONS BONDING BACKBONE (TBB). REFER TO 3/T501 FOR TELECOMMUNICATIONS BONDING RISER DIAGRAM.
 4. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). TO EXISTING ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION. REFER TO 3/T501 FOR TELECOMMUNICATIONS BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENTS.
 5. REFER TO THE ELECTRICAL DRAWINGS FOR LOCATION.
 6. PROVIDE SC-GND-2 RACK MOUNT TELECOMMUNICATIONS BONDING BUSBAR AT EACH EQUIPMENT RACK AND CABINET.



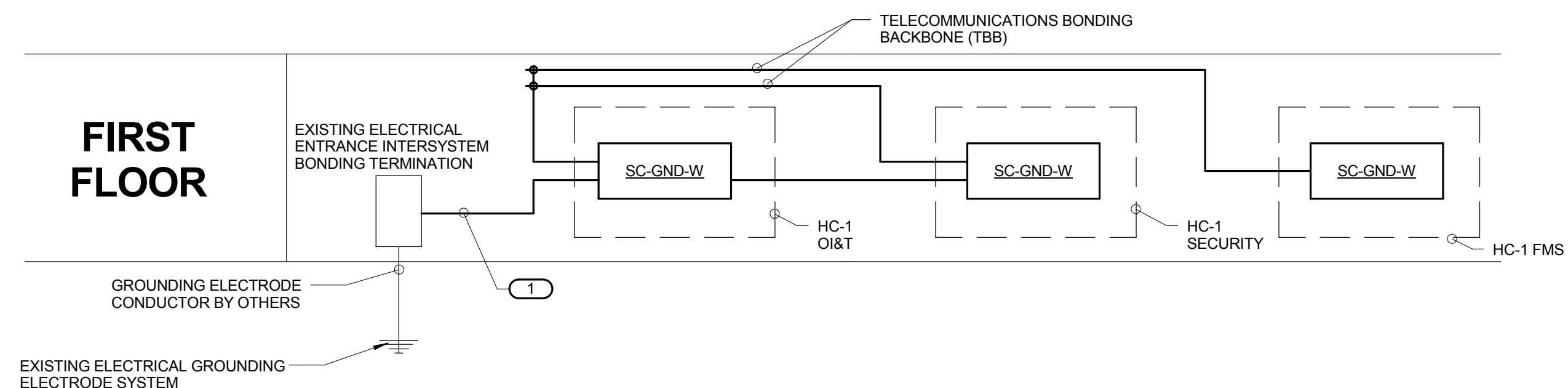
- 2 TELECOM RISER DIAGRAM**
- NO SCALE
- NOTES:
1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
 2. REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
 3. REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATIONS.
- KEYNOTES:
1. "X" INDICATES VOICE/DATA FACEPLATE CONFIGURATION. REFER TO THE INFORMATION OUTLET SCHEDULE ON T000 FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
 2. CAMERA LOCATION. REFER TO THE INFORMATION OUTLET SCHEDULE SCHEDULE ON T000 FOR ADDITIONAL INFORMATION. REFER TO ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
 3. REFER TO SPECIFICATIONS FOR FIBER PATCH CORD REQUIREMENTS.
 4. RJ45 TO RJ45 CATEGORY 6
 5. 23 GAUGE 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS.
 6. 200-PAIR COPPER
 7. 12MM/24MM/24MM FIBER OPTIC CABLE
 8. 24/0MM/24MM FIBER OPTIC CABLE
 9. REFER TO SPECIFICATIONS FOR COPPER PATCH CORD REQUIREMENTS.



- 5 TECHNOLOGY ROUGH-IN MOUNTING DETAIL**
- NO SCALE
- NOTES:
1. INSTALL ROUGH-IN AT 16\"/>

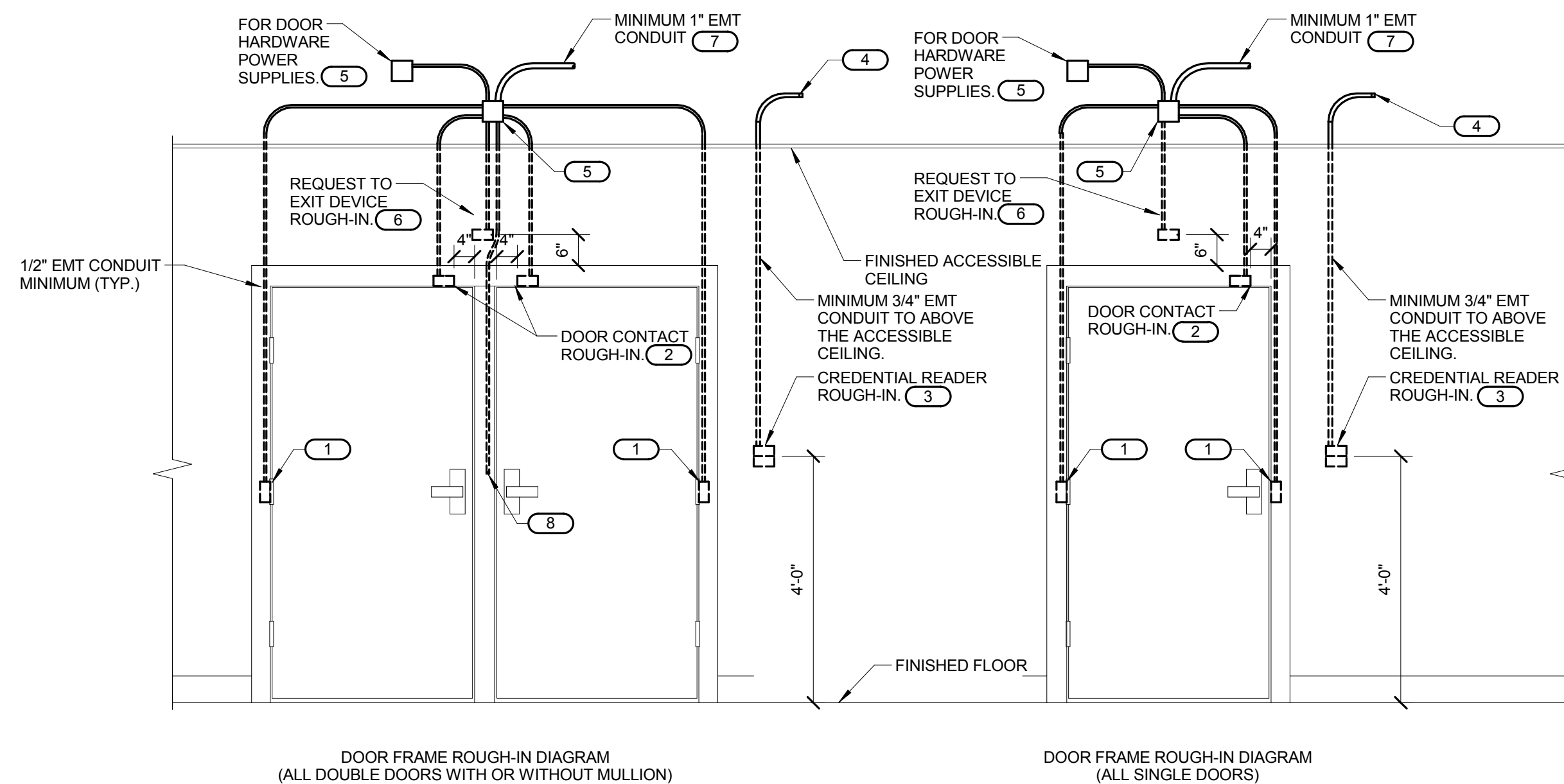


- 7 CABLE RUNWAY RADIUS DROP**
- NO SCALE



- 3 TECHNOLOGY BONDING RISER DIAGRAM**
- NO SCALE
- NOTES:
1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
 4. REFER TO 4/T501 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.
 5. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.
- KEYNOTES:
1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.

BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0



- 6 CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL**
- NO SCALE
- NOTES:
1. CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLS. SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION.
 2. ROUGH IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SYSTEM DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLS. SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION.
 3. ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE THE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING ENVIRONMENT.
 4. THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL DOOR SCHEDULE, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SCHEDULE FOR ADDITIONAL INFORMATION, MODIFICATION TO ANY FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
 5. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 6. REFER TO THE ACCESS CONTROL RISER DIAGRAM ON 2/T502 FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY SCHEME SCHEDULE ON T601 FOR ADDITIONAL INFORMATION.
 7. INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF SCOPE RESPONSIBILITY FOR ADDITIONAL INFORMATION.

- KEYNOTES:
1. PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.
 2. ALL DOOR POSITION SWITCHES ARE REQUIRED TO BE RECESSED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH.
 3. DOUBLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATIONS.
 4. CONDUIT SHALL ROUTE FROM THE CREDENTIAL READER TO THE SECURE SIDE OF THE DOOR. CONDUIT SHALL ROUTE TO THE NEAREST TELECOM SECURITY ROOM.
 5. MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE JUNCTION BOX.
 6. PROVIDE A HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME SCHEDULE ON T601 FOR DOORS THAT REQUIRE THIS ROUGH-IN.
 7. CONDUIT SHALL ROUTE TO THE NEAREST TELECOM SECURITY ROOM.
 8. CONDUIT INSTALLED IN PERMANENT MULLIONS ONLY. REFER TO THE ARCHITECTURAL DOOR SCHEDULE AND DOOR HARDWARE GROUPS FOR LOCATIONS THAT REQUIRE THIS ROUGH-IN. PROVIDE A NYLON BUSHING ON THE CONDUIT END.

CONSULTANTS:	
HEALTHCARE PLANNERS: VOA ARCHITECTS	
MEPPF + TECH + STRUCT: KJWW CONSULTING ENGINEERS	
CIVIL ENGINEER: JD ENGINEERING	
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT	
INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	
Revisions:	Date

VA FORM 08-6231, OCT 1978

ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.

200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title		Project Title		Project Number	
DETAILS - TECHNOLOGY		RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER		549-130	
Approved: Project Director		Location		Building Number	
		BONHAM, TEXAS		1	
Date		Checked		Drawing Number	
APRIL 13, 2015		DAVLAR		T501	
		Drawn		Dwg. 140 of 142	
		KEIEVE			

Office of Facilities Management



100% ISSUED FOR CONSTRUCTION

FIRST FLOOR

LOWER LEVEL

1 OVERHEAD PAGING SYSTEM RISER DIAGRAM

- NO SCALE
- NOTES:
- THIS RISER IS DIAGMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - PROPERLY BOND ALL DRAIN CONDUCTORS OF SHIELDED SPEAKER CABLES TO NEAREST SC-GND-W IN ORIGIN TELECOMMUNICATIONS ROOM ONLY.
 - HORIZONTAL SPEAKER CABLING CONNECTING SPEAKERS AND VOLUME CONTROLS MAY BE T-TAPPED ONLY AT SPEAKER AND VOLUME CONTROL LOCATIONS. ALL HORIZONTAL SPEAKER CABLING CONNECTIONS SHALL BE MADE IN COVERED DEVICE BOXES OR JUNCTION BOXES. CONTRACTOR SHALL SIZE DEVICE BOXES AND JUNCTION BOXES PER APPLICABLE CODES FOR THE AMOUNT OF CABLING SERVED. MAINTAIN CONTINUITY OF DRAIN CONDUCTOR BETWEEN SECTIONS OF HORIZONTAL SPEAKER CABLE AT ALL CONNECTION POINTS. BACKBONE CABLES SHALL NOT BE SPLICED.
 - ALL NECESSARY CONNECTIONS TO BE COMPLETED BY THIS CONTRACTOR.
 - REFER TO T/100 FOR LOCATION OF TER-1.

- KEYNOTES:
- 16 AWG, 4 WIRE TWISTED PAIR PLENUM RATED SPEAKER CABLE.

2 ACCESS CONTROL RISER DIAGRAM

- NO SCALE
- NOTES:
- THIS RISER IS DIAGMMATIC AND NOT INTENDED TO SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS.
 - THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE.
 - ALL CABLING SHALL BE PLENUM RATED.
 - REFER TO 8/7501 FOR DOOR ROUGH-IN DETAIL.
 - REFER TO T100 SERIES DRAWINGS FOR QUANTITIES AND LOCATIONS.
 - EQUIPMENT LIST ABBREVIATION ARE UNDERLINED. REFER TO T901 GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR EQUIPMENT REQUIREMENTS.

WIRING KEYNOTES:

- (A) CATEGORY 5E PATCHCORD
(B) 18 AWG (4) FOUR CONDUCTOR STRANDED
(C) 14 AWG (2) TWO CONDUCTOR STRANDED
(D) 18 AWG (2) TWO CONDUCTOR STRANDED
(E) 22 AWG (6) SIX CONDUCTOR STRANDED

ACCESS CONTROL SYMBOL LIST:

- REX REQUEST TO EXIT DEVICE (PROVIDED BY DOOR HARDWARE VENDOR)
DC DOOR POSITION SWITCH (PROVIDED BY DOOR HARDWARE VENDOR)
ES ELECTRIC STRIKE (PROVIDE BY DOOR HARDWARE VENDOR)
CR1 CARD READER (AC-CR1-W)

3 NURSE CALL STATION RISER DIAGRAM

- NO SCALE
- NOTES:
- THIS RISER IS DIAGMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NURSE CALL CONTROL WIRING DIAGRAM SYMBOL LIST

- (N) NURSE CALL DOME LIGHT
(C) NURSE CALL DOME CONTROLLER
[MAS] NURSE CALL MASTER STATION
[H]N E NURSE CALL TOILET PULL STATION
[H]N D NURSE CALL DUTY STATION
[SCB] NURSE CALL STAFF ASSIST/CODE BLUE STATION
[NC-NCP-1] NURSE CALL CONTROL PANEL

4 AV ROUGH-IN MOUNTING DETAIL

- NO SCALE
- NOTES:
- REFER TO FLOOR PLANS FOR STANDARD MOUNTING HEIGHT.
 - PROVIDE HDMI CABLE BETWEEN BACK BOXES AND HDMI CONNECTOR FACEPLATE.

5 EMERGENCY CALL STATION RISER DIAGRAM

- NO SCALE
- NOTES:
- LOCATE MASTER STATION IN SECURITY OFFICE LOCATED IN BUILDING 3. UTILIZE EXISTING NETWORK CABLING LOCATIONS IN SECURITY OFFICE. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- KEYNOTES:
- CATEGORY 5 PATCH CORD. REFER TO SPECIFICATIONS.
 - TWO STRANDS MM FIBER OPTIC CABLE. REFER TO SPECIFICATIONS AND T001.
 - FIBER OPTIC PATCH CORD. REFER TO SPECIFICATIONS.
 - CATEGORY 5 WORKSTATION CORD. REFER TO SPECIFICATIONS.
 - REFER TO PLANS FOR EMERGENCY CALL STATION LOCATIONS.

6 EMERGENCY CALL STATION DETAIL

- NO SCALE
- NOTES:
- REFER TO ARCHITECTURAL SPECIFICATIONS FOR BASE STRUCTURAL AND MOUNTING REQUIREMENTS.
 - CONTRACTOR SHALL PROTECT FINISH AT ALL TIMES DURING CONSTRUCTION.
 - CONTRACTOR SHALL ROUTE CONDUITS FOR POWER AND LOW VOLTAGE REQUIRED CABLES. REFER TO SITE PLAN SHEET 88P101 FOR ELECTRICAL CONDUIT LOCATIONS AND QUANTITIES AND REFER TO SITE PLAN SHEET T001 FOR LOW VOLTAGE CONDUIT LOCATIONS AND QUANTITIES.
 - CONTRACTOR SHALL COORDINATE COLOR AND SIGNAGE WITH OWNER PRIOR TO ORDERING EMERGENCY CALL STATIONS.
 - REFER TO 5/7502 FOR EMERGENCY CALL STATION RISER DIAGRAM.

7 EMERGENCY CALL STATION BASE DETAIL

- NO SCALE
- NOTES:
- THIS CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH AND INSTALL THE ENTIRE EMERGENCY CALL STATION PEDESTAL.
 - REFER TO 5/7502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 - REFER TO 6/7502 FOR EMERGENCY CALL STATION CAMERA MOUNT DETAIL.
- KEYNOTES:
- CONTRACTOR SHALL CAST BOLT PATTERN PER PRODUCT SPECIFICATION.

8 EXTERIOR HAND HOLE DETAIL

- NO SCALE
- NOTES:
- ALL DIMENSIONS ARE NOMINAL INSIDE CLEARANCES.
 - ANY SPLICES OR DEVICES IN HANDHOLE SHALL BE SUBMERGIBLE.

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100% ISSUED FOR CONSTRUCTION

